E&MJ METAL AND MINERAL MARKETS

Weekly Market Information Issued by the Publishers of Engineering and Mining Journal

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RFC Withdraws Its Fixed Daily "Grade A" Tin Price

The Reconstruction Finance Corporation on March 13 withdrew its fixed daily quotations for the sale of tin. Under a new selling plan, calculated to meet the objections raised by private traders, the Government will market its tin on an average price basis to be determined by quotations published in the American Metal Market. This action, in effect, returns the right to establish the price in the open market to private importers and dealers. Though the industry favored the complete withdrawal of RFC from the tin market, the latest move was viewed as a step in the right direction.

In announcing the change in its pricing policy, the RFC said:

"Effective March 13, 1950, Reconstruction Finance Corporation is withdrawing all fixed price quotations for the sale of its tin. It will, however, have available for sale Longhorn 3-Star and imported brands of tin accepted in the domestic trade as Grade A.

"The price for these brands will be the average for the calendar week following the date of sale of the quotation for prompt Grade A or Straits tin in New York as published in the American Metal Market. Full preliminary payment based on the quotation for prompt Grade A or Straits tin in New York for the day preceding the sale will be required and subject to later adjustment after determination of final price.

"RFC will make a later announcement respecting the lower grades of tin."

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Quebec's Asbestos Output

Production of asbestos in the Province of Quebec during January totaled 57,173 tons, against 61,102 tons in December and 48,873 tons in January a year ago, the Department of Mines reports.

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Steel Rate at 89.8%

The operating rate of the steel industry for the week beginning March 13 increased sharply to 89.8%. This compares with 73.5% in the preceding week. Increased supplies of coal accounted for the rise.

Production of steel for the current week is estimated at 1,711,800 tons.

Lead Price Sharply Lower—Zinc Raised to 10c.—Tin Up as RFC Withdraws Its Prices

The market for major non-ferrous metals was subjected to some extraordinary price movements during the last week. Lead broke sharply in an effort to find a level at which consumers would again absorb the metal in quantity. A net loss of 1½c. per pound failed to stabilize the price structure. Zinc was in good demand and moved up one-quarter cent per pound. Copper was firm but quotably unchanged. The Reconstruction Finance Corp. withdrew its daily quotation at which it was a seller of tin and substituted an average price plan for sales to consumers. The plan, unacceptable to consumers, virtually removed RFC as a source of prompt tin and prices moved up here as well as abroad. Tungsten was higher on tariff uncertainty over Nationalist China's resignation from GATT.

Copper

The price situation in copper remained firm. Demand was fairly active. Sales to date by producers of March shipment metal now exceed 98,000 tons, with April business totaling around 64,000 tons.

Export business was moderate. The price continued at 18½c., f.a.s. New York equivalent.

Interest centered in the favorable domestic statistics for February. Deliveries of refined copper to consumers were larger than generally anticipated, amounting to 112,773 tons. Total deliveries, which would include stockpile copper, were estimated at approximately 130,000 tons. Stocks of refined copper in the hands of producers were reduced to 77,472 tons.

The latest statistics of Copper Institute are summarized as follows, in tons:

United States

Production	(a) Jan.	Feb.
Crude, primary	73,686	70,328
Crude, secondary	11,926	10,888
Totals, crude	85,612	81,216
Refined	95,229	94,036
Deliveries, refined	111,668	112,773
Stocks, refined	101,970	77,472

Outside United States

Production	(a) Jan.	Feb.
Crude, primary	106,236	110,320
Crude, secondary	1,898	549
Totals, crude	108,134	110,869
Refined	87,823	83,561
Deliveries, refined	81,574	69,193
Stocks, refined	142,971	144,893

(a) Corrected figures.

Lead

Lead, which has been under pressure for some time past because of cheaper foreign offerings, declined 1½c. per pound during the last week. At the beginning of the week, on March 9, the quotation was lowered 1c. per pound, establishing the market at 11c., New York. Business failed to improve at that level and the quotation was lowered one-half cent on March 14, bringing the selling basis down to 10½c., New York. The St. Louis market declined to the same extent as New York.

Sales for the week amounted to 5,978 tons, which compares with 3,994 tons in the preceding week. Most of the business involved average price contracts.

Export trade was quiet. The final quotation on export business was 10c per pound, f.a.s. Gulf ports.

Zinc

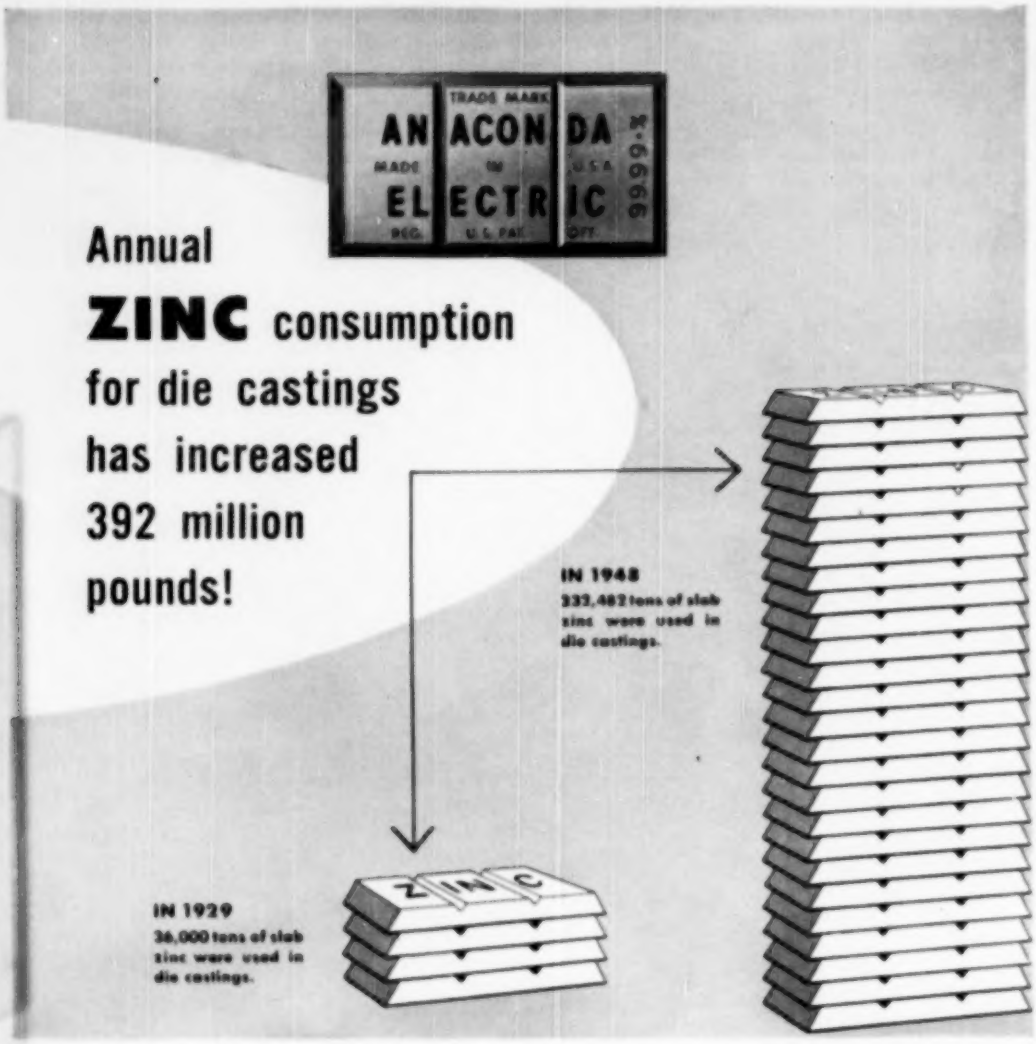
The recent reduction in stocks in the hands of producers, coupled with a steady demand from consumers, resulted in a general advance in the price of Prime Western zinc of one-quarter cent per pound shortly after the noon hour on March 14. Before the rise to 10c. took place, a fair tonnage was sold at 9¾c., which is reflected in our average quotation for the day. On the following day all flat-price business in zinc was booked at the higher level.

Some export business was placed late in the week at 9½c. per pound, f.a.s. Gulf ports.

Tin

The news that RFC has withdrawn its selling prices on tin (see page 1) surprised the trade. Consumers received the news wtih mixed feelings as it will, in effect, limit their operations to the open market. In asking consumers to settle under the arrangement announced by RFC (calendar week's average on Grade A or Straits tin following date of sale) the price paid would be too indefinite for practical purposes. In some quarters the action was viewed as a withdrawal by RFC from the open market.

(Continued on page 9)



To be precise, the annual consumption of zinc for die casting has increased 392,964,000† pounds since 1929.

This increase is a tribute to the energy of die casters in widening their markets, and to their skill in meeting so successfully the competition of other fabricating methods.

It is a tribute to the alertness of the great number of manufacturers who have recognized and benefited from the advantages die castings afford.

It is also a tribute to the intrinsic value of zinc as a die casting medium. It bears witness to the efforts of zinc producers to meet the requirements of die casting standards for zinc purity.

Anaconda is a dependable source of dependable zinc for die castings. Anaconda does not make die castings, but supplies ANACONDA Electric* Zinc, 99.99+% pure, to the die casting industry. Anaconda Sales Company, 25 Broadway, New York 4, N. Y. Subsidiary of Anaconda Copper Mining Co.

†From "Metal Statistics"
*Reg. U. S. Pat. Off.

Look to ANACONDA for:

Copper · Zinc · Lead · Silver · Cadmium · Bismuth · Arsenic

E&MJ
METAL AND MINERAL
MARKETS

Weekly Market Information
Issued by the Publishers of
Engineering and Mining Journal
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E&MJ Metal and Mineral Markets is published each Thursday with a daily quotation for copper, lead, zinc, tin, and silver. Commodities that change price infrequently are quoted at weekly or monthly intervals, according to their importance. Official weekly and calendar monthly averages, also monthly averages, are published for copper, lead, zinc, tin, and silver in the United States market.

Aluminum Production Increased in December

Production of primary aluminum in the United States during December totaled 41,161 tons, against 35,865 tons in November and 53,474 tons in December a year previous, the Bureau of Mines reports. Total output for 1949 was estimated at 603,462 tons, which compares with 623,456 tons in the peak peacetime year of 1948.

Production of aluminum in 1948 and 1949, by months, in tons, was as follows:

	1948	1949
January	48,767	53,356
February	45,699	49,749
March	51,874	54,852
April	53,277	54,076
May	55,450	56,909
June	48,557	54,194
July	52,937	55,777
August	54,953	52,001
September	51,255	49,742
October	54,526	45,790
November	50,714	35,865
December	53,474	41,161
Totals, preliminary	623,483	603,462
Final	623,456	

During the last year production was restricted for about seven weeks because of strikes at plants of the Aluminum Company of America. The disputes were ended on Dec. 7.

Sales and use of primary aluminum by domestic producers in December totaled 51,798 tons, against 42,734 tons in November. The quantity sold or used in 1949 was 587,532 tons, preliminary figures show.

Producers' stocks of aluminum at the end of December totaled 29,101 tons, against 39,738 tons a month previous and 13,171 tons at the beginning of 1949.

Imports of aluminum in December amounted to 15,004 tons, making the total for the year 77,912 tons. Canada supplied 71,101 tons of the total quantity imported during the last year.

Preliminary figures issued by the Aluminum Association indicate that production of primary aluminum during January totaled 52,823 tons, which compares with 41,161 tons in December. Donald M. White, secretary, observes that orders being received indicate primary aluminum will be produced at capacity during the first half of 1950.

New production facilities are being added. Alcoa has started partial production at its new reduction plant at Port Lavaca, Texas. Reactivation of an idle potline at the Jones Mills, Ark., plant of Reynolds Metals was reported last week.

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Platinum in South Africa

Sales of platinum metals excluding osmiridium, in the Union of South Africa in the eleven months ended November totaled 85,820 troy oz., according to the Department of Mines. Sales totaled 64,579 oz. in 1948 and 56,288 oz. in 1947.

Osmiridium sales in the Jan.-Nov. period of 1949 totaled 5,567 oz., against 5,774 oz. during all of 1948 and 6,402 oz. in 1947.

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U.S. Zinc Imports

Imports of slab zinc in January totaled 10,963 tons, against 14,703 tons in December, the Bureau of the Census reports. Of the total quantity imported in January, Canada supplied 6,337 tons, Mexico 3,926 tons, and Norway 700 tons.

Zinc contained in ore imported during January totaled 23,107 tons, which compares with 18,079 tons in December.

U.S. Lead Imports

Lead imports of the United States in December and January, in tons, according to the Bureau of the Census:

	Dec.	Jan.
Ore, etc. (content)	1949	1950
Canada	157	15
Newfoundland		
Mexico	348	87
Guatemala	134	69
Bolivia		355
Chile	2,966	
Ecuador		
Peru	3,776	
French Morocco		
Union of S. Africa	3,830	223
Burma		
Korea	12	
Australia		262
Other countries	157	136
Totals	11,360	1,366
Base bullion (content)		
Australia		1,129
Other countries	162	
Totals	162	1,129
Pigs and bars:		
Canada	4,871	2,789
Mexico	12,287	16,137
Peru	2,576	2,625
Belgium		
Germany	233	727
Italy		
Netherlands		
United Kingdom	2	2
Yugoslavia	3,945	2,569
Burma		
China	4	
Australia		3,700
Japan	169	499
Other countries	26	
Totals	23,130	29,552
Lead scrap, dross, etc. (content)	2,204	1,839
Antimonial lead and type-metal (content)	61	137

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Manager of Titanium Metals

T. W. Lippert has resigned as manager of publications of the American Institute of Mining and Metallurgical Engineers to become manager of the Titanium Metals Corp., formed recently by the Allegheny Ludlum Steel Corp. and the National Lead Co. to market titanium metal and alloy.

Zinc Ore Production by Countries

(American Bureau of Metal Statistics)

Following is a summary of zinc ore production of important countries, so far as available, figures in short tons:

	July	Aug.	Sept.	Oct.	Nov.	Dec.
United States (a)	46,236	45,068	41,897	39,623	46,113	41,607
Canada (b)	20,344	22,211	22,475	21,879	21,181	
Newfoundland	2,525	2,602	2,630	2,646	2,603	2,511
Mexico (c)	16,549	16,229	16,436	17,617	17,605	18,391
Argentina	915	816	622	686	981	1,211
Bolivia	1,216	1,128	1,354	1,497	1,232	1,231
Germany (Bizone)	5,115	5,035	4,839	.....	.....	.....
Germany (Fr. Zone)	650	767	793	.....	.....	.....
Italy	7,311	7,198	7,499	7,479	6,799	6,781
Spain (b)	4,937	3,835	3,407	4,603	3,244	3,530
Sweden (d)	1,500	2,508	3,060	2,633	3,674	3,749
Australia (f)	18,308	17,622	21,176	19,632	21,806	16,782
Japan	4,239	4,095	4,242	4,129	4,199	4,169
North Africa (g)	885	1,204	1,052	959	.....	.....
Southwest Africa	799	1,280	951	842	1,202	1,656
Rhodesia (e)	2,178	2,206	2,145	2,128	2,117	2,156
Totals	127,923	135,798	134,760	.....	.....	.....

(a) As reported by Bureau of Mines as production for all purposes. (b) New refined zinc plus recoverable zinc in ores and concentrates exported. (c) Production of zinc concentrates by flotation process which falls a little short of the total. (d) Estimated content of exports. (e) Entered same as slab zinc production. (f) Gross zinc content of copper, lead and zinc concentrates. (g) Algeria, Tunis and Morocco. (h) Partly estimated.

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Miscellaneous Metals

Quotations cover wholesale lots, f.o.b. New York, unless otherwise specified.

ALUMINUM—Per lb., base price, f.o.b. shipping point: 30 lb. ingot, 99% plus, 17c.; in pigs, 16c.

Base prices on aluminum ingot of higher purity: 99.75%, 17½c.; 99.8%, 18c.; 99.85%, 19c.; 99.9%, 20c.

ANTIMONY—Per lb., 99½% grade:

	Domestic, (a) Boxed, New York	Domestic, (b) Bulk, Laredo
March 9	27.780	24.500
March 10	27.780	24.500
March 11	27.780	24.500
March 13	27.780	24.500
March 14	27.780	24.500
March 15	27.780	24.500

(a) Boxed (224 lb.), 10,000 lb. or more but less than a carload, ex store, New York area. (b) In bulk, carload lots, f.o.b. Laredo, Texas; in cases one-half cent extra.

Chinese antimony—Per lb., min. 99%, in cases f.o.b. N. Y., duty paid 23c.

BISMUTH—Per lb., in ton lots, $2.00.

CADMIUM—Per lb. Commercial sticks, wholesale quantities, delivered:

March 9	$2.00
March 10	2.00
March 11	2.00
March 13	2.00
March 14	2.00
March 15	2.00

CALCIUM—Per lb., in ton lots, cast in slabs and small pieces, $2.05.

CHROMIUM—Per lb., 97 percent grade, spot, $1.12; contract $1.07 per lb. (Usually sold as chrome-metal.)

COBALT—Per lb., 97@99 percent, $1.80 for 500 lb. (bbl.); $1.82 for 100 lb. (case); $1.87 under 100 lb.

COLUMBIUM—Per kilo, base prices: Rod, $280; sheet, $250. Discounts on volume business.

GERMANIUM—Per lb. $180.

INDIUM—Per oz. troy, 99.9 percent pure, $2.25.

IRIDIUM—Per oz. troy, $100, sponge or powder.

LITHIUM—Per lb. 98%, $9.85@$11, depending on quantity.

MAGNESIUM—Per lb., f.o.b. producer's plant, ingots (4x16 in.), 99.8 percent, carload lots, 20½c.; 100 lb. or more, l.c.l., 22½c. Extruded sticks, carload lots, 27½c.; 100 lb. or more, l.c.l. 29½c.

MANGANESE—Per lb. Minimum 96 percent Mn, maximum 2 percent iron, 35½c., carload lots, packed in cases.

Electrolytic manganese, 99.9 percent Mn, 28c., carload lots.

MOLYBDENUM—Per lb., 99 percent $2.60@$3.

NICKEL—Per lb., electrolytic cathodes, f.o.b. Port Colborne, Ont., contract price, 40c., U.S. import duty included. Nickel oxide sinter, 36½c. per lb. of nickel content, f.o.b. Copper Cliff.

OSMIUM—Per oz., $100, nominal.

PALLADIUM—Per oz. troy, $24.

PLATINUM—Per oz. troy, $86 on wholesale lots; $89 on sales to consumers.

QUICKSILVER—Per flask of 76 lb., $71@$73.

RADIUM—Per mg. radium content, $25@$30, as to quantity.

RHODIUM—Per oz. troy, $125.

RUTHENIUM—Per oz. troy, $69@$72.

SELENIUM—Per lb. $2 for black, powdered, 99.5 percent pure.

SILICON—Per lb., minimum, 97 percent Si, maximum 1 percent Fe, crushed, carload lots, spot and contract 19c.

SODIUM—Per lb., carload lots, in drums, 16½c.; less than carload lots, 17c.

TANTALUM—Per kilo, base price, $160.60 for rod; sheet, $143. Discounts on volume business.

TELLURIUM—Per lb., $1.75.

THALLIUM—Per lb., $15.

TITANIUM—Per lb., 96@98 percent, $5.

TUNGSTEN—Per lb., 98.8 percent minimum, 1,000 lb. lots, $2.90. Hydrogen reduced tungsten, 99.9 percent plus $4.50.

ZIRCONIUM—Per lb., powder, $7 to $8, according to quantity.

E. & M. J. Weighted Index of Non-Ferrous Metal Prices

100 is composite for 1923-3-4. (Copper, Lead, Zinc, Tin, Silver, Nickel, Aluminum)

1938	73.67	1944	88.74
1939	77.71	1945	90.86
1940	79.22	1946	110.06
1941	83.40	1947	149.46
1942	86.80	1948	168.38
1943	88.74	1949	151.97

	1948	1949	1950
January	154.20	185.52	135.86
February	155.63	185.75	135.65
March	155.63	179.31	.....
April	160.67	160.86	.....
May	161.33	148.05	.....
June	162.30	131.20	.....
July	164.55	136.65	.....
August	177.68	141.90	.....
September	178.26	142.24	.....
October	179.58	137.81	.....
November	185.26	138.18	.....
December	185.52	136.18	.....

Metallic Ores

Prices in tons of 2,000 lbs., or in "units" of 20 lb., unless otherwise stated.

ANTIMONY ORE—Per unit of antimony contained, 50 to 55 percent, $2.40@$2.50; 58 to 60 percent, $2.60@$2.70; 60 to 65 percent, $2.70@$2.80. Quotations nominal.

BERYLLIUM ORE—Per unit of BeO 10 to 12 percent f.o.b. mine, Colorado, $35, nominal. North Carolina, $25@$30.

Imported ore, 10 to 12%, BeO, $26 to $30 per unit, c.i.f. U.S. ports.

CHROME ORE—Per long ton, dry basis, subject to penalties if guarantees are not met, f.o.b. cars New York, Philadelphia, Baltimore, Charleston, plus ocean freight differential for deliveries to Portland, Ore., and Tacoma, Wash.:

Indian and Rhodesian:	
48% Cr_2O_3, 3 to 1 ratio	$33.00
48% Cr_2O_3, 2.8 to 1 ratio	$32.50
48% Cr_2O_3, no ratio	$26.00
South African (Transvaal):	
48% Cr_2O_3, no ratio	$26.00
45% Cr_2O_3, no ratio	$17.00
Turkish:	
48% Cr_2O_3, 3 to 1 ratio	$37.50
Brazilian:	
44% Cr_2O_3, 2.5 to 1 ratio, lump	(a) $31.00

Domestic, 48%, 3 to 1 ratio, $39 per ton, f.o.b. nearest shipping point. Nominal.

(a) Nominal.

COBALT ORE—Per lb. of cobalt contained, 60@80c., f.o.b. Cobalt, Ont., depending on grade.

IRON ORE—Per long ton, Lower Lake ports. Lake Superior ore quotations:

Mesabi, non-bessemer, 51½ percent iron, $7.70. Old Range, non-bessemer, $7.90.

Mesabi, bessemer, 51½ percent iron, $7.85. Old Range, bessemer, $8.10.

Eastern ores, cents per long ton unit, delivered at furnaces: Foundry and basic, 56 to 62 percent, 16c.

Swedish, 60@68% (contracts), per unit, 15c. plus, depending on grade, c.i.f. Atlantic ports.

(Continued on page 6)

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- QUICK-SILVER
- ZINC DUST
- SULPHURIC ACID

Metallic Ores

(Continued from page 4)

Brazilian, 68 to 69% per unit, 18c., c.i.f. Atlantic ports.

MANGANESE ORE – On long-term contracts involving large tonnages prices wholly nominal and a matter for negotiation. Nearby business, basis 48% Mn, 79.8@81.8c. per long ton unit, c.i.f. U.S. ports (duty included).

Chemical grades, per ton, coarse or fine, minimum 80 percent MnO_2, Brazilian or Cuban, carloads, in barrels, $60@$65. Javan or Caucasian, 85 percent minimum, $70@$75. Domestic 70 to 72 percent, $45@$50, f.o.b. mines.

MOLYBDENUM ORE – Per lb. of contained MoS_2, 90 percent concentrate, 54c., f.o.b. mines. London, 85% MoS_2, 85s. to 80s. per unit.

TANTALUM ORE – Per lb. Ta_2O_5, $2.00@$2.50 for 60 percent concentrate, the price depending on impurities contained.

TITANIUM ORE – Per gross ton, ilmenite, 56 to 59 percent TiO_2, f.o.b. Atlantic seaboard, $14@$16, according to grade and impurities; quotations nominal. Rutile, per lb., guaranteed minimum 94 percent concentrate, 4@5c., nominal.

TUNGSTEN ORE – Per short ton unit of WO_3, for ore of known good analysis: Chinese, duty paid, New York, $19.00@$19.25. Bolivian, Brazilian, etc., duty paid $19.00@$19.25. Domestic scheelite delivered to buyer's plant, $28.50, nominal.

VANADIUM ORE–Per lb. V_2O_5 contained, 27½c., f.o.b. shipping point.

ZIRCON ORE – Per ton, c.i.f. Atlantic seaboard, minimum 65 percent ZrO_2, $40@$45.

Non-Metallic Minerals

Prices received for non-metallic minerals vary widely and depend upon the physical and chemical characteristics of the commodity. Hence the following quotations can serve only as a general guide to the prices obtained by producers and dealers in different parts of the United States for their own product. In the last analysis the value of a particular non-metallic mineral can be ascertained only by direct negotiations between buyers and sellers.

Tons of 2,000 lb. unless otherwise noted.

AMBLYGONITE–Per ton: Airfloated, $110, carload lots.

ASBESTOS – Per short ton, f.o.b. mines Quebec, U.S. funds.

Crude No. 1, $960@$1,050; Crude No. 2, $490@$550; Spinning fibers, $233@$475; Shingle stock, $95.50@$141; Paper stock, $78.50@$88; Waste, $58; Shorts, $27@$52.

Per ton, f.o.b. Hyde Park, Vermont: Shingle fiber, $97@$107; paper stock fiber, $68.50@$85; waste, $56; shorts, $25.50@$46.50.

BARIUM CARBONATE (Witherite) – Per ton: Airfloated, $65, carload lots; $72 on less than a carload.

BARYTES – F.o.b. mines.

Georgia: Barytes ore, crude, $11.50@$12.00 per long ton.

Missouri: Per ton, water ground and floated, bleached, $35.10, carlots, f.o.b. works. Crude ore, minimum 94 percent $BaSO_4$, less than 1 percent iron, $9.50; 93 percent $BaSO_4$, $9@$9.25 f.o.b. mines.

BAUXITE – Per long ton. Domestic ore, chemical, crushed and dried, 55 to 58 percent Al_2O_3, 1.5 to 2.5 percent Fe_2O_3, $8.00@$8.50, f.o.b. Alabama and Arkansas mines. Other grades, 56 to 59 percent Al_2O_3, 5 to 8 percent SiO_2, $8.00@$8.50, f.o.b. Arkansas mines. Pulverized and dried, 56 to 59 percent Al_2O_3, 8 to 12 percent SiO_2, $14@$16, f.o.b. Arkansas mines. Abrasive grade, crushed and calcined, 80 to 84 percent Al_2O_3, $17, f.o.b. Arkansas mines. Crude (not dried) 50 to 52 percent, $4@$5, f.o.b. Arkansas mines.

BENTONITE – Per ton, carload lots, f.o.b. Wyoming mines, dried and crushed in bulk, $8. Pulverized, 200 mesh, $11, in 100-lb. paper bags.

BORAX – Per ton, granular technical, $57.25, in bulk.

CELESTITE – Per ton in carload lots, 92 percent $SrSO_4$, finely powdered, $54.

Crude, 90 percent grade, $19, f.o.b. cars, Calif.

CHINA CLAY (Kaolin) – Per ton f.o.b. mines:

Florida: Purified, crushed, $18.75; pulverized, $24.25; enamel grade, $38.50.

Georgia: Filler and ceramic grades, crushed $8.50@$9.50; pulverized, in paper bags, $13@$17.

North Carolina: Ceramic grade, bulk, carloads, $18 to $20 per ton, depending on type.

Tennessee: Ball clay, crushed $10 per ton. Purified, in bags, $19.50.

Maryland: Ball clays, shredded, bulk, $7@$9. Airfloated, in paper bags, $14@$17.50.

New Jersey: Plastic kaolin, pulverized, in paper bags, $11@$21. Insecticide clay, $16.00.

Pennsylvania: Crude, $5@$7.50. Purified, $21@$24.

Note: Domestic producers quote $2.50@$3.50 per ton extra for clay in 100 lb. paper bags over bulk, and $5 to $8 extra for cloth bags; extras for less than carload lots.

CORUNDUM – Natural, per lb. Size 8 to 60 inclusive, 8½c.; 70 to 275, 9½c.; 500, 30c.; 850, 45c.; 1000, 45c.; 1200 to 1600, 65c.; 2600, 70c.

DIATOMITE – Per ton, f.o.b. mill Nevada: Crude, in bulk, nominal; 98 to 100 mesh, $25; low-temperature insulation, $25; high-temperature, $40. Fine abrasive 2@3c. per lb. Bags extra.

California, f.o.b. mill, per ton filtration grades, $20 to $50.

EMERY – Per ton, f.o.b. New York domestic crude ore, first grade, $12.

F.o.b. Pennsylvania, in 350-lb. kegs: Turkish and Naxos grain emery, 10c. per lb.; American, 6½c.

FELDSPAR – North Carolina, bulk, carloads: 200 mesh, $18.50; 325 mesh, $22.50; glass spar, No. 18 grade, $12.50; semi-granular, $11.75. Add $3 per ton to the bulk quotation for bags and bagging.

Virginia: No. 1, 230 mesh, $18.50; 200 mesh, $17.50; No. 17 glassmakers', $11.75; No. 18, $12.50. Enamelers', $15@$17.

FLUORSPAR–Metallurgical grade, effective CaF_2 content, per short ton, f.o.b. shipping point Illinois and Kentucky:

	Short Ton
70% effective CaF_2 content	$37.00
Less than 60%	34.00
Pellets, 60%	30.00

Acid grade concentrates, base price, per ton, bulk, 97 percent CaF_2, $43.50.

Foreign fluorspar, metallurgical grade, duty paid, $39@$40 short ton, Atlantic seaboard.

FULLER'S EARTH – Per ton, f.o.b. Georgia or Florida, 30 to 60 mesh, $14.50; 15 to 30, $14; 200 up, $10; 100 up, $7.

GARNET – New York, per ton: Adirondack garnet concentrates, grain, $85.

GILSONITE – Per ton, carload lots, f.o.b. Colorado:

Brilliant black, $34.50; standard selects, $33.50; seconds (mine run) $29.

Selects, $33.50, f.o.b. Utah. Nominal.

GRAPHITE – Madagascar, c.i.f. New York, "standard grades 85 to 87%C," $210 per ton; special mesh $265@$300; special grade 90% C, $700.

Note – Sales on the better grades of

graphite are usually made against the exacting requirements of consumers; published quotations largely nominal.

Amorphous graphite, Mexican, f.o.b. point of shipment (Mex.), per metric ton, $9 to 16, depending on grade.

IRON OXIDE—Per lb.: Standard (No. 1 quality) Spanish red, 5½@7½c., nominal; domestic earth, 4@6c.

KYANITE — Per ton, f.o.b. point of shipment Virginia, 35 mesh, carload lots, in bulk $26; in bags $29. For 200 mesh, in bags, carload lots, $37.

Imported kyanite, in bags, c.i.f. Atlantic ports, $30@$40 per ton, nominal.

LEPIDOLITE—Per ton, 4 percent Li_2O, powdered, carload lots, $80.

MAGNESITE — Per ton, f.o.b. Chewelah, Wash., dead burned grain, in bulk $30.50; in bags $35.00.

F.o.b. California, caustic calcined 85% MgO oxychloride grade, powdered, $70 per ton; 95% seawater granular $57.

Georgia: 98 percent through 200 Seawater periclase 90% MgO $50.50; 93% MgO $75.

MICA—Prices prevailing in the North Carolina district for clear sheet mica, per pound, follow:

Size	Per Pound
1½ x 2 inch	70 to 75c.
2 x 2 "	$1.00 to $1.10
2 x 3 "	$1.40 to $1.50
3 x 3 "	$1.70 to $1.80
3 x 4 "	$2.10 to $2.20
3 x 5 "	$2.40 to $2.50
4 x 6 "	$3.15 to $3.25
6 x 8 "	$4.00 to $4.50

Punch mica, 12@20c. per pound, according to size and quality.

Stained or electric sheet mica is being sold at approximately the same prices as clear sheet.

North Carolina, wet ground, $120 to $135 per ton, depending on fineness and quantity. Dry ground, $32.50 to $70. Scrap, $30 to $35, depending on quality.

Madagascar sheet mica, first quality high heat, duty paid, New York, per lb.:

Grade 7 (below 1 sq. inch) 50c.; Grade 6 (1 to 1½) 71c.; Grade 5 (3 to 6) $1.07; Grade 4 (6 to 10) $1.20; Grade 3 (10 to 14) $1.60.

MONAZITE — Per lb., f.o.b. Atlantic ports, 65% of total rare earth oxides, including thorium oxide and cerium oxide, 13 to 15c.

OCHER—Per ton, f.o.b. Georgia mines, $24 in sacks; $28 in waterproof bags.

F.o.b. Virginia, dark yellow, 200 mesh, 60 percent ferric oxide, in bags, $22.50@$23.50.

OLIVINE—Per ton, f.o.b. North Carolina and Washington (Puget Sound), crude $6@$8; ground, 200 mesh, $18; 20 mesh to dust, $14.

PHOSPHATE — Per long ton, f.o.b. mines:

Florida, pebble: 77@76 percent, $6.90; 75@74 percent, $5.80; 72@70 percent, $4.90; 70@68 percent, $4.15; 68@66 percent, $3.75.

POTASH — Per unit, f.o.b. mines. Muriate, 37½@45½c., basis 60 percent K_2O; manure salt, 20c., basis 22 percent K_2O.

PYRITES — Per long-ton unit of sulphur, c.i.f. United States ports, guaranteed 48 percent sulphur, Spanish, 14@16c., nominal.

PUMICE STONE — Per lb., f.o.b. New York or Chicago, in barrels, powdered 3@5c.; lump, 5½@6c.

QUARTZ ROCK CRYSTALS — For fusing, all sizes, $100@$150 per ton. Prisms for piezo-electrical and optical use $4.50 to $50 per pound, according to size and grade.

SILICA — Per ton, water ground and floated, in bags, f.o.b. Illinois: 325 mesh, $21@$40 for 92 to 99½ percent grades. Dry ground, air-floated, 325 mesh, 92@99½ percent silica, $18@$30. Glass sand, f.o.b. producing plant, $1.25@$5 per ton.

SPODUMENE—Per unit lithium oxide contained, $6@$8 on 6 percent grade, carload lots.

STRONTIANITE — Per ton, lump in carload lots, minimum 84@86 percent $SrCO_3$, $55, nominal.

SULPHUR — Per long ton for domestic market, $18 f.o.b. Texas mines.

TALC — Per ton: carload lots, f.o.b. works, containers included unless otherwise specified:

Georgia: 98 percent through 200 mesh, gray, $10.50@$11; white, $12.50@$15, packed in paper bags.

New Jersey: Mineral pulp, ground, $10.50@$12.50, bags extra.

New York: Double air-floated, short fiber, 325 mesh, $18.50@$20.

Vermont: 100 percent through 200 mesh, extra white, bulk basis, $12.50; 99½ percent through 200 mesh, medium white, $11.50@$12.50. Packed in paper bags, $1.75 per ton extra.

Virginia: 200 mesh, $10@$12; 325 mesh, $12@$14; crude, $5.50.

TRIPOLI—Per ton, burlap bags, paper liners, minimum carload 30 tons, f.o.b. Missouri: Once ground through 60 mesh, rose and cream colored, $14.50. Double ground through 110 mesh, rose and cream, $16; air-floated through 200 mesh, $26.

VERMICULITE—Per ton, f.o.b. mines, Montana, $12. South African crude, $28@$30, f.o.b. Atlantic ports.

WHITING — Per ton, f.o.b. Georgia, white, 300 mesh, $12@$14.

Alloys

BERYLLIUM-COPPER—Master alloy, 4 percent beryllium, remainder copper, in lots 1 lb. or more of beryllium, $34.50 per lb. of contained Be.

FERROCHROMIUM — Per lb. of Cr: High carbon (4 to 9% C) 65 to 69% Cr, lump, carloads, delivered Eastern zone, 20.5c.

FERROCOLUMBIUM — Per lb. of Cb contained, 50@55 percent, $2.90.

FERROMANGANESE—Per gross ton, 76@82 percent, $172, seaboard.

FERROMOLYBDENUM, Etc.—Per lb. of Mo contained, f.o.b., shipping point: Ferromolybdenum, 55@65 percent Mo $1.13; calcium molybdate ($CaO\ MoO_3$), 96c.; molybdic trioxide (MoO_3), 94c.

FERROPHOSPHORUS—Per gross ton, 18 percent P, $58.50; electrolytic, 24 percent, $75, f.o.b. Alabama and Tennessee.

FERROSILICON—Per lb. of contained Si, Eastern zone: 50% grade, 11.3c.; 75% grade, 13.5c.

FERROTITANIUM—Per lb. of Ti contained, 20 to 25% max. 0.10% carbon, $1.40.

FERROTUNGSTEN — Per lb. of W contained, 75@80 percent W, $2.25@$2.35.

FERROVANADIUM — Per lb. of V contained, delivered, $2.90@$3.10.

SILICOMANGANESE — Per lb. carload lots, f.o.b. shipping point, freight allowed, maximum 1½% carbon, 8.6c.

SPIEGELEISEN — Per gross ton, 19 to 21 percent grade, $65, Palmerton, Pa.

ZIRCONIUM ALLOY—12 to 15 percent Zr, 39 to 43 percent Si, 6.6c. per lb., bulk, carload lots; 35 to 40 percent Zr, 47 to 52 percent Si, 20.25c. per lb.

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OVER 35 YEARS SERVICE TO THE MINING AND METAL INDUSTRY

ORES, METALS, ALLOYS

(Continued from page 1)

Prices abroad remained firm, which resulted in higher quotations here. Prompt Straits quality tin advanced to 76½c. per pound, prompt delivery, with forward metal at a shade under this level.

Bid prices on Standard tin at the first session of the London Metal Exchange, per long ton, were as follows:

	Spot	3-Months
March 9	£509½	£501
March 10	£509¾	£502½
March 13	£506	£507
March 14	£506	£505
March 15	£509½	£508

Quotations on 99% (tin content): March 9th, 10th and 11th, 73½c.; March 13th, 73½c.; March 14th, 74½c.; March 15th, 75½c.

Tungsten Ore

Prices paid during the last week for prompt and nearby tungsten ore were generally higher. Both importers and consumers were concerned over a report to the effect that the import duty may be restored to 50c. per pound of W. The Nationalist Government of China has served notice that it intends to withdraw from the General Agreement on Tariffs and Trade as of May 5. Authorities in Washington are considering recommendations to be presented to the President. Whether the duty, reduced under the agreement with China to 30c. per pound of W, will be disturbed depends largely on the position that this Government and other countries involved will take when the subject is brought to their attention. The price of tungsten ore in this market advanced to $19 per unit of WO_3 and upward, with quotations largely nominal.

Quicksilver

The demand-supply situation in quicksilver was unchanged last week. In the absence of any selling pressure quotation on spot continued at $71 to $73 per flask, depending on quantity involved. Prompt metal was available at $70.

Silver

The New York Official quotation for foreign silver was unchanged last week at 73½c. per ounce troy.

Silver in London continued at 64d.

United States Gold Price

The price paid by the United States Treasury for gold purchased by the mints continued at $35 per troy ounce of fine gold, less ¼ of 1 percent.

Actual payment by the United States Treasury for gold in imported and domestic ore or concentrate is at 99.75 percent of the price quoted by the Treasury, which at present is equal to $34.9125 per ounce.

Foreign Exchange

Foreign currencies, in addition to the daily quotation on sterling checks given in the table on this page, were quoted on in terms of dollars as follows:

	Demand
Mexico (silver peso)	11.60c.
Canada (dollar) (a)	99¼c.

(a) Selling basis, N. Y.

Sterling exchange futures, 60-day and 90-day, nominal.

London cables and checks quoted on even basis throughout week.

Official London Prices

The following delivered quotations have been fixed by the Ministry of Supply for the United Kingdom:

	Per Long Ton		
	£	s.	d.
COPPER			
Electrolytic, high conductivity	153	0	0
Fire refined, high conductivity	153	0	0
Fire refined, high grade	152	10	0
Fire refined, min. 99.7 percent	152	0	0
Fire refined, min. 99.2 percent	151	10	0
Hot rolled black wire rods, English	165	11	0
LEAD			
Soft, foreign duty paid	66	0	0
Soft, Empire	66	0	0
English, refined	65	10	0
ZINC			
Foreign (G.o.b.) duty paid	66	10	0
Domestic (G.o.b.)	66	10	0
Prime Western and deboned	65	10	0
Refined and electrolytic	66	5	0
Minimum 99.99 percent	67	15	0

DAILY PRICES OF METALS (*E & M J Quotations*)

March	Electrolytic Copper: Domestic Refinery	Electrolytic Copper: Export Refinery	Straits Tin, New York	Lead: New York	Lead: St. Louis	Zinc: East St. Louis
9	18.200	18.425	74.500	11.000	10.800	9.750
10	18.200	18.425	74.500	11.000	10.800	9.750
11	No market	18.425	74.500	11.000	10.800	9.750
13	18.200	18.425	74.750	11.000	10.800	9.750
14	18.200	18.425	75.500	10.500	10.300	9.925
15	18.200	18.425	76.500	10.500	10.300	10.000
Average	18.200	18.425	75.042	10.833	10.633	9.821

Average prices for calendar week ended March 11, are: Domestic copper f.o.b. refinery, 18.200c.; export copper f.o.b. refinery 18.425c.; Straits tin, 74.500c.; New York lead, 11.000c.; St. Louis lead, 11.300c.; St. Louis zinc, 9.750c.; and silver 73.250c.

The above quotations are our appraisal of the major United States markets, based on sales reported by producers and agencies. They are reduced to the basis of cash, New York or St. Louis, as noted. All prices are in cents per pound.

Copper, lead and zinc quotations are based on sales for both prompt and future delivories, tin quotations are for prompt delivery only.

In the trade, domestic copper prices are quoted on a delivered basis, that is, delivered at consumers' plants. As delivery charges vary with the destination, the figures shown above are net prices at refineries on the Atlantic seaboard. Delivered prices in New England average 0.300c. per pound above refinery basis.

Our export quotation for copper reflects prices obtaining in the open market and is based on sales in the foreign market reduced to the f.o.b. refinery equivalent. Atlantic seaboard. On f.a.s. transactions we deduct 0.075c. for lighterage, etc., to arrive at the f.o.b. refinery quotation.

Quotations for copper are for the ordinary forms of wirebars and ingot bars. For standard ingots an extra 0.2075c. per pound is charged; for slabs 0.125c. up, and for cakes 0.275c. up, depending on weight and dimensions; for billets an extra 1.05c. up, depending on dimensions and quality. Cathodes in standard sizes are sold at a discount of 0.125c. to 0.15c. per pound.

Quotations for zinc are for ordinary Prime Western brands. Premiums obtaining over Prime Western zinc in the East St. Louis market on the following grades, in cents per pound, freighted, 0.15c.: Brass Special, 0.25c.; Intermediate, 0.5c. High Grade zinc sold on contract, delivered in the East and Middle West, commands a premium of 1.15c. per pound over the East St. Louis basis for Prime Western; on Special High Grade the premium or differential is 1.25c. per pound.

Quotations for lead reflect prices obtained for common lead only. The differential on sales in the Chicago district is 10 points under New York; for New England add 7½ points to the New York basis. Corroding grade commands a premium over common lead of 10 points.

Silver, Gold, and Sterling Exchange

March	Sterling Exchange "Checks"	Silver: New York	Silver: London	Gold: London	March	Sterling Exchange "Checks"	Silver: New York	Silver: London	Gold: London
9	$2.79⅝	73¼	64d.	248s.	13	2.79⅝	73¼	64d.	248s.
10	2.79⅝	73¼	64d.	248s.	14	2.79⅝	73¼	64d.	248s.
11	Not Quoted				15	2.79⅝	73¼	64d.	248s.

Average silver, 73.250c.; Sterling Exchange 279.750c.

The daily New York silver quotation reported by Handy & Harman is for silver contained in ores and other unrefined silver bearing material, in cents and one-eighth cent fractions per troy ounce. It is determined by Handy & Harman on the basis of actual sales of her silver .999 fine in amounts of 50,000 ounces or more for nearby delivery at New York, and is usually one-quarter cent below the price paid for such her silver, the reduction being allowance for carrying, delivering, and marketing. In addition, to foreign silver, the quotations also apply to domestic and Treasury silver if such silver enters into the New York market.

The Treasury's purchase price of newly mined domestic silver was established at 90.5c. per troy ounce, 1000 fine, effective on July 1, 1946, under an amendment to the Silver Purchase Act of July 6, 1939.

London silver quotations are in pence per troy ounce, basic 000 fine.

London gold quotations are per troy ounce, basic 1000 fine.

Sterling quotations represent the demand market in the foreign. For premium on cables see Foreign Exchange.

Rolled Metals, Etc.

BRASS – Cents per lb. (base prices)

	Sheet	Wire	Rods
Yellow brass	28.69	28.98	a23.19
Best quality brass	29.50	29.87	29.27
Red brass 80%	30.12	30.41	29.81
Red brass 85%	30.60	30.89	30.29
Com'l bronze	31.61	31.90	31.30
Gilding metal	32.10	32.30	31.79

(a) Free cutting

CADMIUM – Per lb. Special shapes, to platers, $2.15.

COPPER – Per lb. Sheets, over 20 in. wide, 32.18c.; rolls, 20 in. and under, 30.21c.; Wire, bare, carload lots, f.o.b. mills 22.67c.

LEAD SHEETS – Per lb., full rolled, 140 sq. ft., 15½c.

MONEL METAL – Per lb. (base prices) Standard cold-rolled sheet, 47c.; cold-rolled strip, 50c. Rods, hot-rolled, 45c. Shot and blocks, 40c.

MUNTZ METAL – Per lb., rods 27.14c.; sheets, 31.58c.

NICKEL–Per lb. (base prices) sheets, cold-rolled 60c.; rods, hot-rolled, 56c.

NICKEL SILVER – Per lb., sheets, 10 percent, 39.66c.; 18 percent, 42.27c.; wire and rods, 10 percent, 41.87c.; 15 percent 45.15c.; 18 percent 48.25c.

PHOSPHOR BRONZE–Per lb., sheets 5 percent tin, 50.90c.; wire and rods, 5 percent 51.15c.; 10 percent 58.24c.

ZINC – Per lb., carload lots, f.o.b. mill (base price): Sheet 15½c.; ribbon 15c.; plates 14@15c.; depending on size.

Metallic Compounds

ARSENIOUS OXIDE (arsenic trioxide), refined, white minimum 99 percent – Per lb., 5½c., in barrels, carload lots, delivered.

COBALT OXIDE – Metallurgical grade, 72% Co, per lb. of Co contained, $1.85, f.o.b. Niagara Falls. Ceramic grade, 70 to 71% Co, per lb., $1.38 east of Mississippi; $1.40½ west of Mississippi.

COPPER SULPHATE – Per lb., in carload lots, 7c., large or small crystals, f.o.b., N. Y.

Refractories

CHROME BRICK – Per ton, f.o.b. shipping point: Chemically bonded $69; burned, $66.

FIRECLAY BRICK – Per M., first quality, $107, Missouri, Kentucky, Pennsylvania; second quality, $80. Ohio, intermediate grade, $80; second quality, $70.

MAGNESITE – Brick, per ton f.o.b. works, 9-in. straights, $91.

SILICA BRICK – Per M., Pennsylvania, $84; Alabama, $94; Illinois and Indiana, $91.

Iron, Steel, and Coke

IRON–Per gross ton, Valley furnaces: Bessemer, $47.00; basic, $46.00; and No. 2 foundry, $46.50.

STEEL – Per net ton, f.o.b. mill, Pittsburgh, billets and slabs, $53. Bars, per 100 lb., $3.45; plates and structural shapes, $3.40.

COKE–Per ton, Connellsville furnace, $13.00@$13.50; foundry $15.00@$16.00.

STEEL SCRAP – Per gross ton, delivered Pittsburgh, No. 1 heavy $31, No. 2 heavy $28; Cleveland, No. 1 heavy $28; No. 2 heavy $25.50.

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U. K. Lead Consumption

Lead consumption in the United Kingdom in 1949 totaled 328,539 long tons, of which 156,993 tons was imported virgin metal, 40,469 tons English refined, and 131,077 tons scrap and remelted.

Consumption by use, in tons, according to the British Bureau of Non-Ferrous Metal Statistics:

	1949
Cable	121,386
Battery, excluding oxides	24,788
Oxides and compounds	
Battery	21,765
Other uses	30,525
White lead	16,351
Sheet and pipe	69,704
Shot	3,909
Foil and tubes	2,347
Solder	9,814
All other alloys	11,627
Miscellaneous uses	16,277
Total	328,539

Stocks of refined lead in the United Kingdom on Jan. 1, 1950, amounted to 51,399 tons, which compares with 19,960 tons a year previous. The monthly peak in stocks in 1949 was 65,217 tons on hand at the beginning of September.

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U. K. Copper Imports

The United Kingdom imported 27,160 long tons of unwrought copper during January, of which 19,308 tons was electrolytic and 7,852 tons fire refined, etc. Total imports during 1949 averaged 25,893 tons a month.

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Seek Uses for Gallium

Gallium is being produced as a by-product at the Joplin, Mo., laboratory of Eagle-Picher. The price of the rare metal is around $1,300 a pound. Those who are producing the metal believe that new uses will be found eventually to absorb the accumulated supply. The metal has a melting point of 85 deg. F. So far, according to the Eagle-Picher Co., the most important work on potential uses is being done by the Navy in experiments at Bethesda, Md. A radioactive isotopic form of one of the salts of gallium has been injected into bone tissue for autoradiographic studies.

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Use of Fluorspar in U. S. Curtailed by Strikes

Production and shipments of fluorspar in the United States were about 235,000 and 238,000 tons, respectively, in 1949, declines of 30% and 28% from 1948, according to the Bureau of Mines. Imports were 95,619 tons in 1949 and, though 14% less than the all-time high of 1948, were exceeded by only two other years. Consumption of fluorspar was about 346,813 tons in 1949, a decrease of 15% from 1948.

Consumption of fluorspar continued its down trend in the fourth quarter of 1949, was 15% less than in the preceding quarter, and the smallest since the first quarter of 1946. The decline resulted chiefly from the strike in the steel industry. As a consequence of the lessened demand for fluorspar, production schedules at many domestic mines were reduced and shipments curtailed.

Production and shipments of domestic fluorspar in tons:

	Production	Shipments
1946	277,300	277,940
1947	343,700	329,484
1948	336,000	331,748
1949		
First quarter	63,263	55,871
Second quarter	66,022	63,794
Third quarter	54,198	64,768
Fourth quarter	51,984	53,388
	235,465	237,821

Shipments cover material absorbed by domestic and foreign consumers and the strategic stockpile.

Shipments during 1949, by grades, in tons: Metallurgical, 131,947; ceramic, 33,904; acid, 71,970.

General imports and consumption of fluorspar (domestic and foreign) in recent years, in tons:

	Imports	Consumption
1946	29,488	302,190
1947	78,279	376,138
1948	111,626	406,269
1949	95,619	346,813

Consumption of fluorspar (domestic and foreign), by industries, in tons:

	1948	1949
Steel	232,687	202,526
Hydrofluoric acid	107,280	89,151
Glass	37,247	30,742
Enamel	8,871	5,297
All other	20,184	19,097
Totals	406,269	346,813

Imports of fluorspar during 1949, by countries, in tons: From France, 1,532; Italy, 5,618; Mexico, 58,238; Newfoundland, 15,344; Spain, 14,887.

Stocks of fluorspar at consumers' plants at the end of 1949 totaled 133,131 tons, which compares with 146,869 tons a year previous.

Phelps Dodge Officials Favor Copper Import Tax

Total sales booked in 1949 by the Phelps Dodge Corp. and its subsidiaries amounted to 591,298,324 lb. of copper, compared with 685,824,708 lb. in 1948, according to the annual report to stockholders. Deliveries to customers, including deliveries applicable to purchased copper, amounted to 615,970,802 lb. of copper, against 681,025,204 lb. in 1948.

Production for 1949 of copper, lead, zinc, silver and gold from the Corporation's mines, including minor amounts of metals produced from purchased ores, together with comparable figures for 1948:

	1948	1949
Copper, lb.	693,449,765	684,405,898
Lead, lb.	17,556,887	20,718,743
Zinc, lb.	47,707,567	64,690,757
Silver, oz.	3,321,913	2,805,149
Gold, oz.	82,231	72,165

The refineries of Phelps Dodge (El Paso and Laurel Hill) produced 747,284,254 lb. of copper in 1949, which compares with 778,040,919 lb. in 1948. The refineries treat copper anodes and blister copper produced by Phelps Dodge, as well as metals returnable to others on a toll or custom basis.

An experimental molybdenite unit was placed in operation in November to recover commercially the small quantities of the element contained in the Morenci ore.

The Corporation recommends that there should be no further suspension of the import tax of 2c. per pound after June 30, 1950. Domestic mines, if operated at capacity, could supply all normal domestic commercial requirements, officials point out, and add: "At the present time, domestic mine production is running at the rate of about 900,000 tons per year; that tonnage, together with production from purchased scrap will aggregate well over 1,000,000 tons. . . Foreign production is apparently in excess of foreign demand by some 400,000 tons per year. Foreign costs of production, already substantially lower than average domestic costs, largely because of much lower wage rates, have been further substantially reduced in important foreign producing areas by recent devaluations of currency."

In reference to the stockpile program, the report observes that the import tax would make no difference in the net cost to the Government if foreign copper were supplied.

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Tri-State Concentrates

Joplin, Mo., March 11, 1950

Blende

Prime coarse (jig and table, 60% zinc)	$57.00
Flotation, 60% zinc	$57.00

Galena

Coarse and flotation, 80% lead	$133.27

Though some small tonnages of zinc concentrate have been sold in recent weeks at $55 per ton, producers in the Tri-State district regard $57 per ton as the going market price. Sales booked so far at the higher level involved approximately 3,000 tons. The fact that a pigments producer was the buyer hardly alters the price situation, in the opinion of market experts.

The decline in the price of pig lead to the basis of 10.80c. St. Louis on March 9 resulted in a lowering of the quotation on lead concentrate at $133.27 per ton, a drop of $14.40.

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Bauxite Output and Imports

Preliminary figures for 1949 put United States production of bauxite at 1,130,115 long tons (dried equivalent), a 22% decline from 1,457,148 tons produced in the preceding year, the Bureau of Mines reports. During the last year Arkansas accounted for 1,082,108 tons and Alabama, Georgia and Virginia 57,097 tons.

Imports of bauxite in 1949 totaled 2,414,220 long tons (as shipped), against 2,488,915 tons in 1948. British Guiana supplied 86,763 tons, Surinam 1,821,963 tons, and Indonesia 505,475 tons.

Exports of bauxite in 1949, largely to Canada, amounted to 34,235 tons, which compares with 46,220 tons in 1948.

Aluminum Ingot Prices

Remelted aluminum ingot prices, in lots of 30,000 lb. or more, delivered, cents per pound:

Piston No. 122, 16½c.; No. 12 Alloy, 16.; Deoxidizing, Grade 1, 17½c.; Grade 2, 17c.; Grade 3, 15½c.; and Grade 4, 14½c.

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Smelters' Copper Scrap Prices

Custom smelters' buying prices for copper scrap, carload lots, refinery:

No. 1 heavy copper and wire, 15½c.; No. 2 heavy copper and wire 14½c.; Light copper, 13½c.; refinery brass, 13½c.

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Dealers' Scrap Prices

Dealers' buying prices, f.o.b. New York or equivalent freight points, for wholesale quantities in cents per lb.

No. 1 copper wire	13½@13¾
Heavy copper & wire, mixed	12½@13
Light copper	11½@11¾
No. 1 composition	11@11½
Composition turnings	10½@10¾
Cocks and faucets	8½@9
Light brass	6½@6¾
Yellow brass turnings, mix.	6½@6¾
Heavy yellow brass, mixed	6½@7
Auto radiators, unsweated	8½@9½
Brass pipe, cut	9½@9¾
Rod brass turnings, No. 1	9½@9¾
Rod ends, brass	9½@9¾
New soft brass clips	10½@10¾
Cast aluminum, mixed	6½@7
Aluminum pistons, clean	6½@7
Aluminum crankcases	7½@7¾
Aluminum clips, new soft	9½@10
Sheet aluminum, old clean	7½@8
Duralumin clips, new	7½@8
Aluminum turnings, clean	3½@3¾
Zinc die cast, mixed	3½@3¾
Zinc die cast, new	6½@6¾
Old zinc	6½@6¾
New zinc clips	5½@6
Soft or hard lead	7½@8
Battery plates	3½@4
Babbitt mixed	9½@9¾
Linotype or stereotype	10½@10¾
Electrotype	9½@9¾
Solder joints close cut	11½@12
Block tin pipe	60@62
No. 1 pewter	38@40
Autobearing babbitt	30@32
Monel clips, new	11@12
Monel sheet, clean	11@12
Monel turnings	7@8
Nickel clips, new	17@18
Nickel anodes, cast	17@18

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